

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116107.D
 Acq On : 9 Aug 2019 12:32
 Operator : HP/JU
 Sample : K4219-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 02:10:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

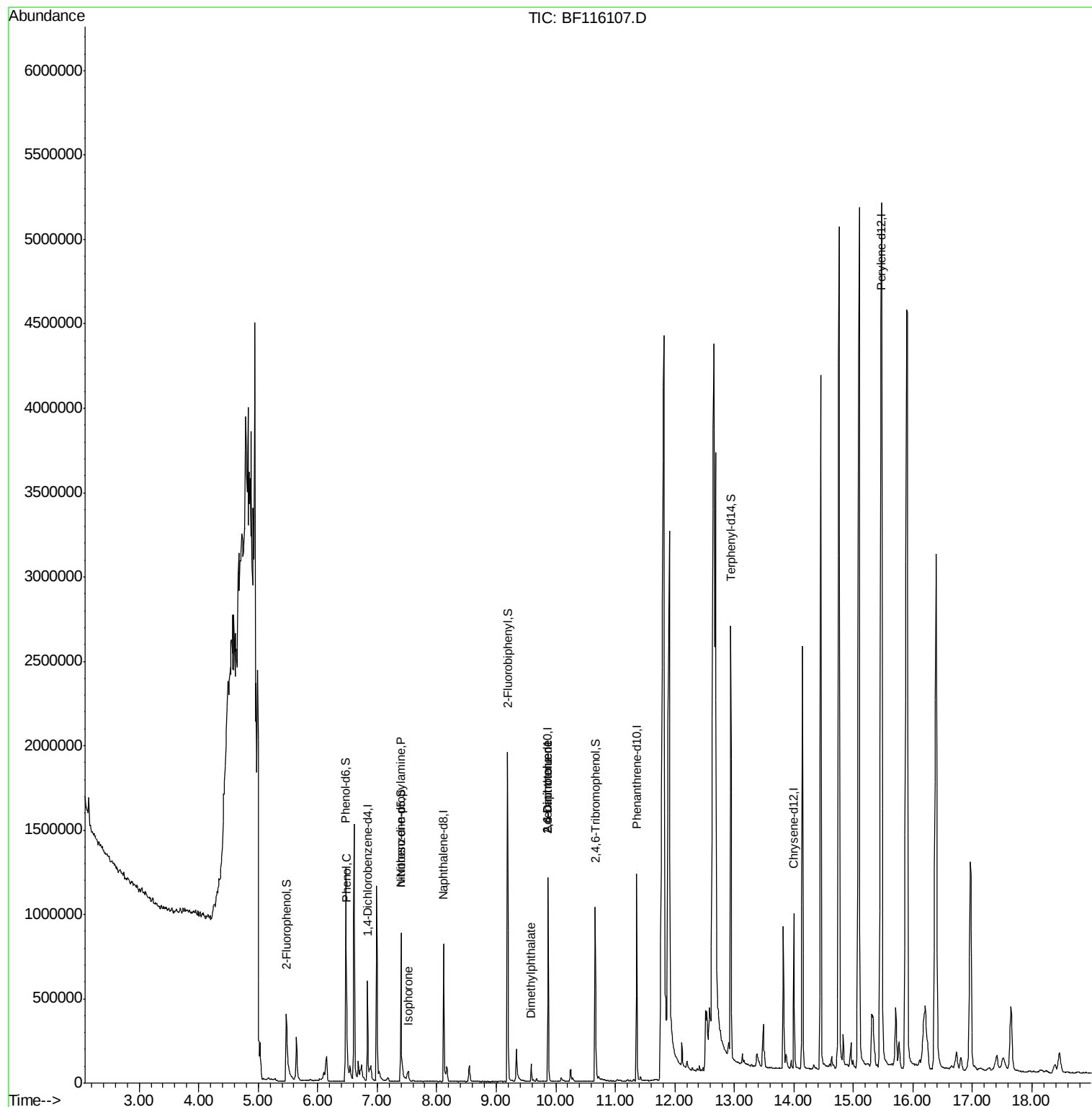
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	101541	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	402169	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	255067	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	459959	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	339953	20.00	ng	-0.01
87) Perylene-d12	15.47	264	191191	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	246859	40.70	ng	0.00
7) Phenol-d6	6.47	99	518765	67.79	ng	-0.01
23) Nitrobenzene-d5	7.40	82	349620	50.18	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	142788	57.74	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	702866	51.61	ng	-0.01
79) Terphenyl-d14	12.94	244	855724	53.04	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	37560	4.168	ng	95
19) n-Nitroso-di-n-propylamine	7.40	70	46586	9.824	ng	# 78
25) Isophorone	7.52	82	52149	3.914	ng	# 65
50) Dimethylphthalate	9.59	163	46929	2.702	ng	99
51) 2,6-Dinitrotoluene	9.87	165	32741	8.675	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	32741	6.516	ng	# 20

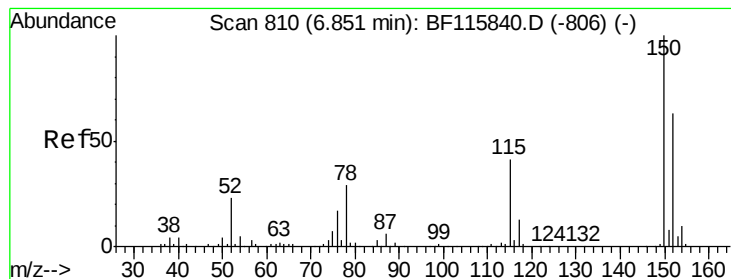
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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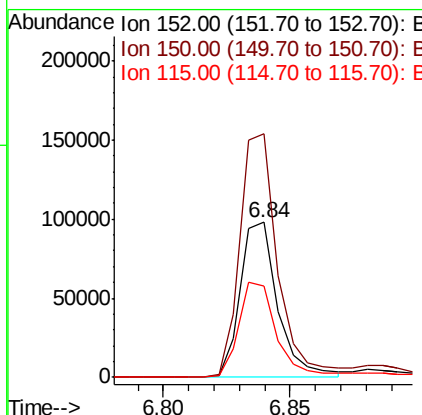
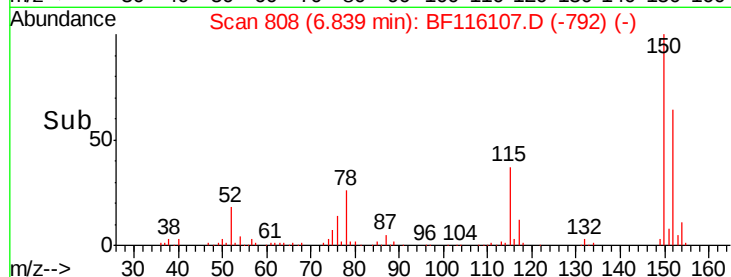
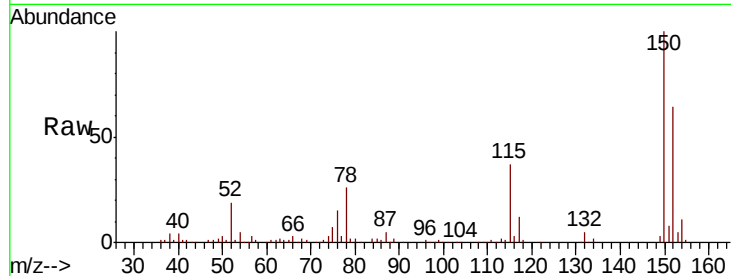


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116107.D
Acq: 9 Aug 2019 12:32

Instrument :
BNA_F
ClientSampleId :

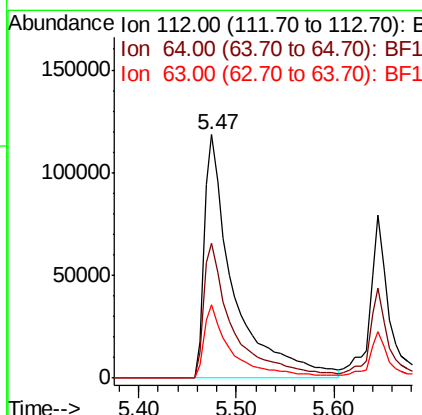
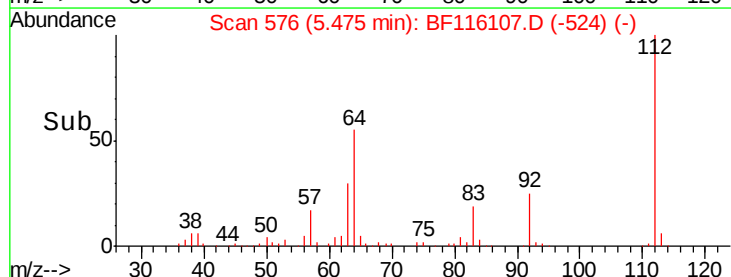
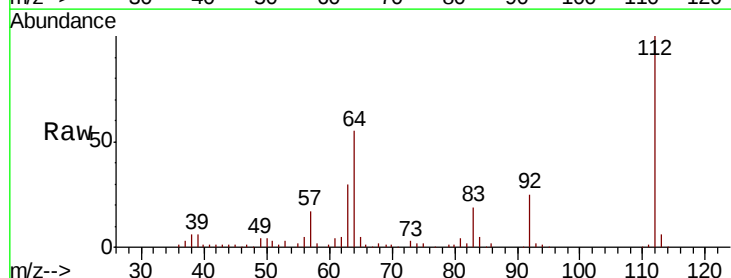
Tot Ion:152 Resp: 101541
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 58.6 49.9 74.9



#5

2-Fluorophenol
Concen: 40.699 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116107.D
Acq: 9 Aug 2019 12:32

Tgt Ion:112 Resp: 246859
Ion Ratio Lower Upper
112 100
64 55.2 45.4 68.2
63 30.3 23.7 35.5





#7

Phenol-d6

Concen: 67.788 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116107.D

Acq: 9 Aug 2019 12:32

Instrument :

BNA_F

ClientSampleId :

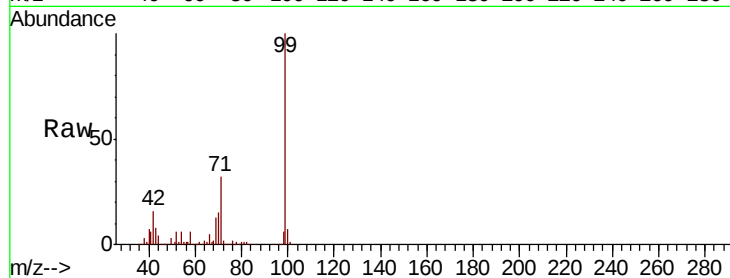
Tot Ion: 99 Resp: 518765

Ion Ratio Lower Upper

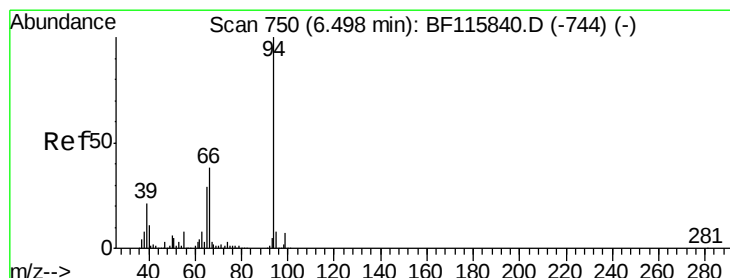
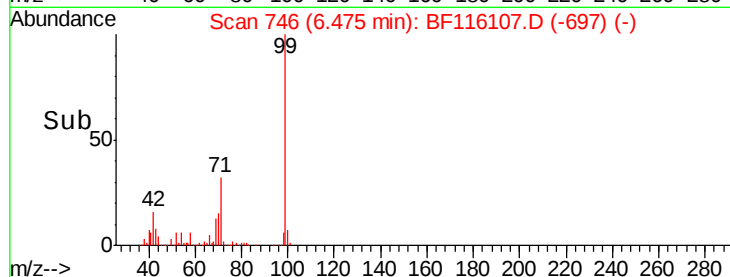
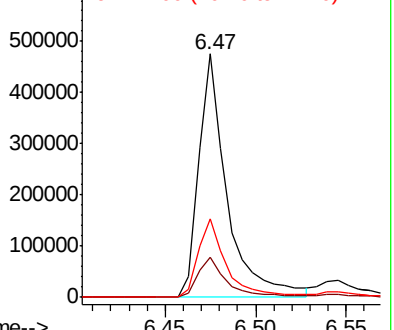
99 100

42 16.4 13.8 20.8

71 32.2 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.168 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116107.D

Acq: 9 Aug 2019 12:32

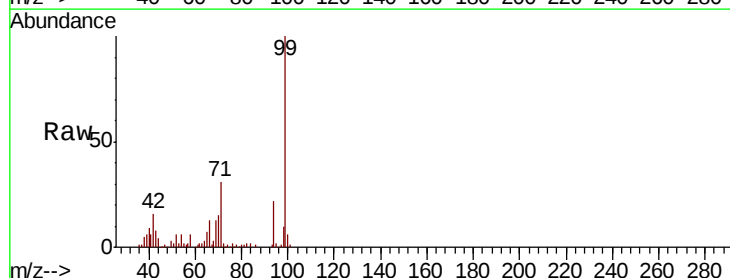
Tgt Ion: 94 Resp: 37560

Ion Ratio Lower Upper

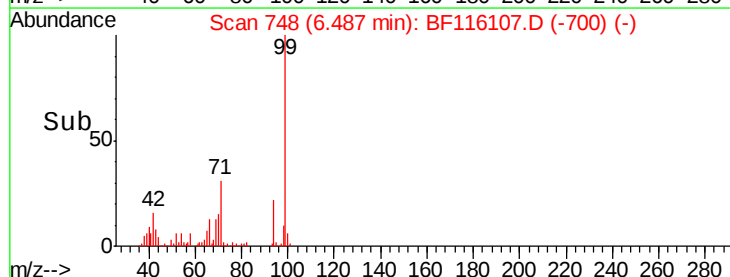
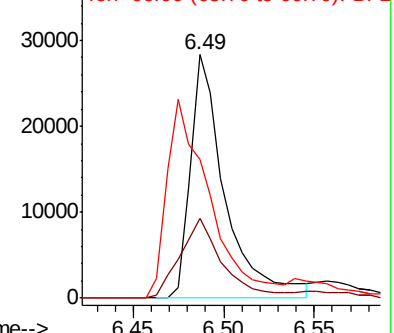
94 100

65 32.9 16.8 56.8

66 56.9 34.2 74.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 9.824 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116107.D

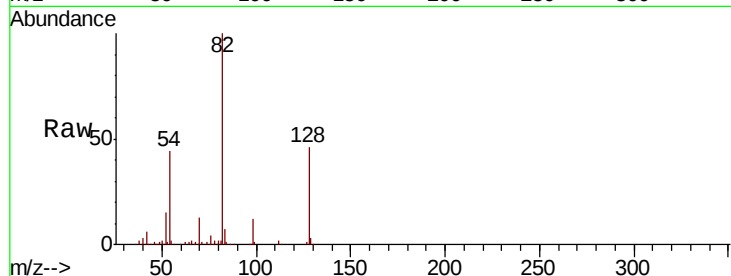
Acq: 9 Aug 2019 12:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	46586
Ion	Ratio	Lower	Upper
70	100		
42	41.5	40.9	61.3
101	0.0	7.9	11.9#
130	1.7	16.9	25.3#



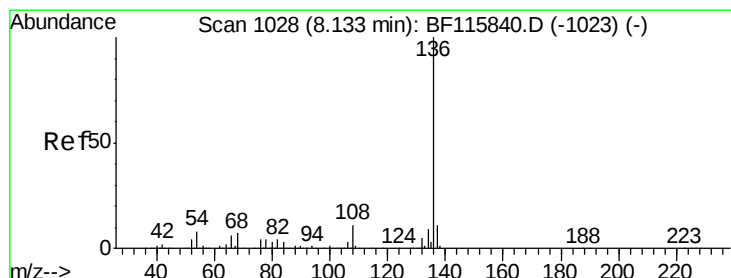
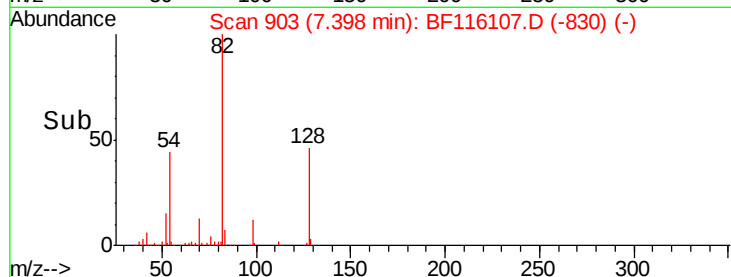
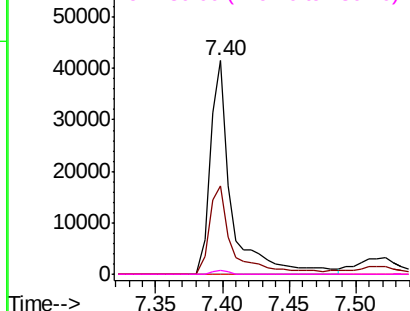
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

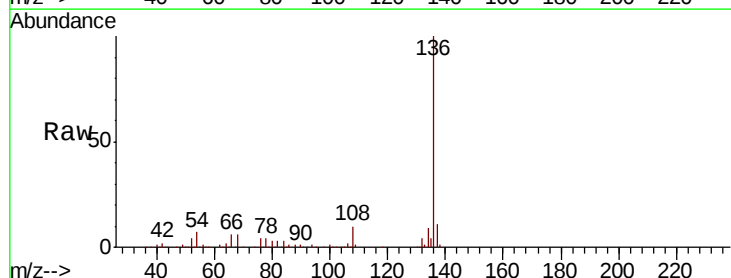
RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116107.D

Acq: 9 Aug 2019 12:32

Tgt Ion:	136	Resp:	402169
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	7.2	5.8	8.6
68	6.3	5.2	7.8



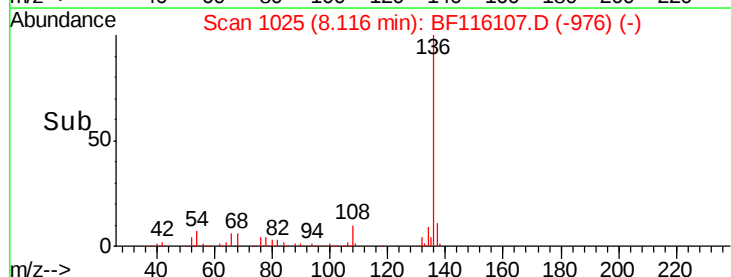
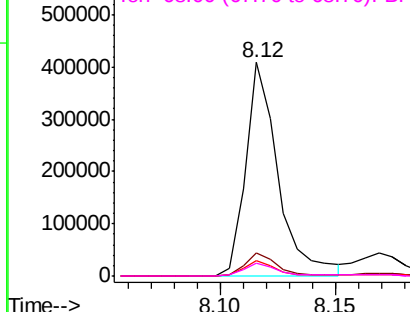
Abundance

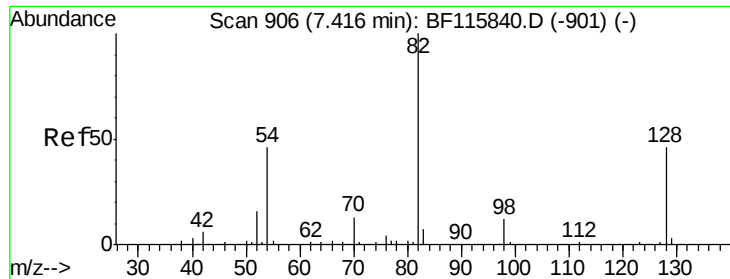
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

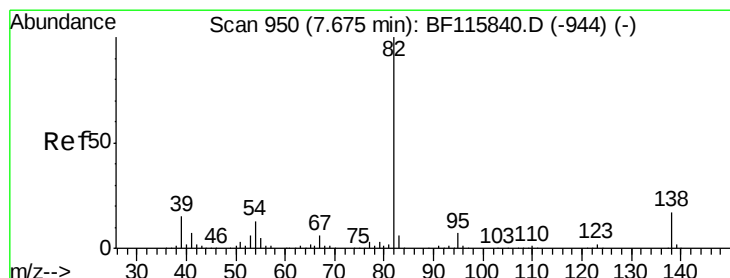
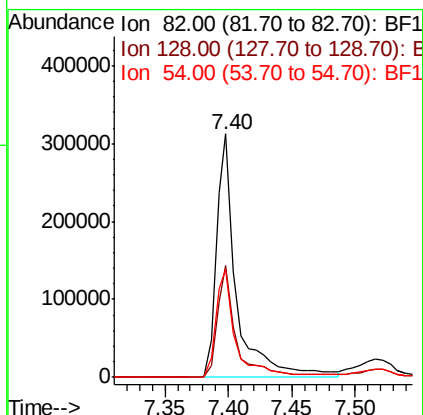
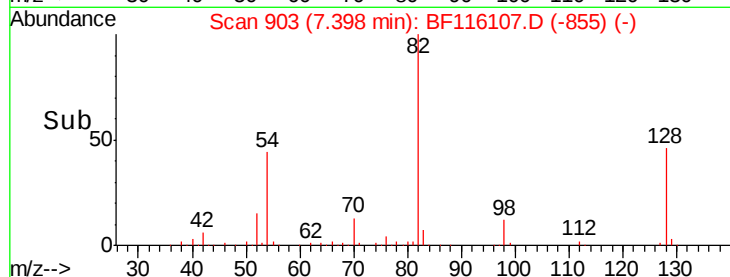
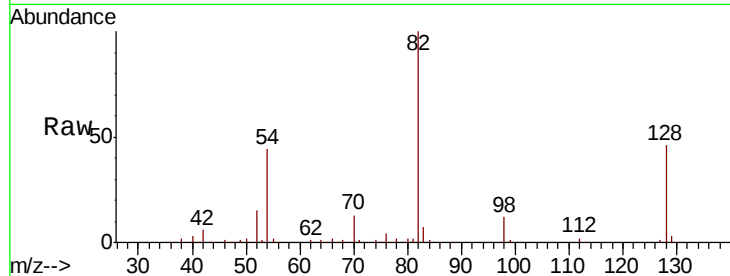




#23
Nitrobenzene-d5
Concen: 50.181 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116107.D
Acq: 9 Aug 2019 12:32

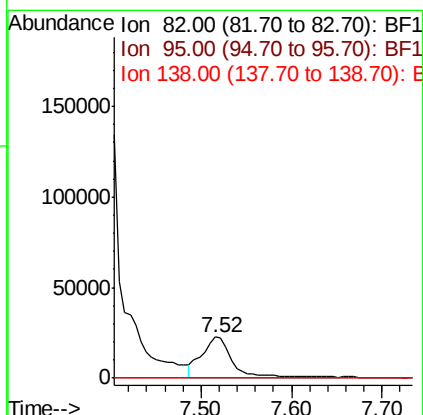
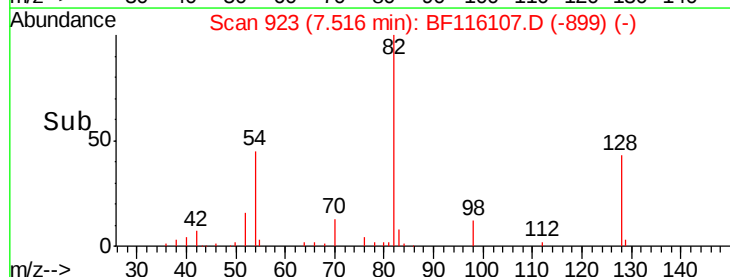
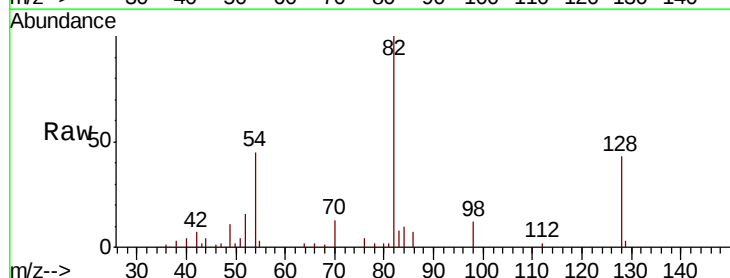
Instrument :
BNA_F
ClientSampleId :

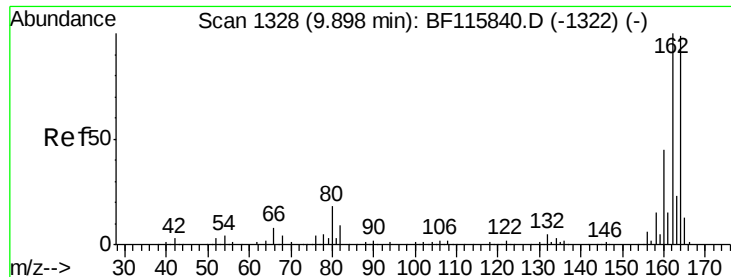
Tot Ion: 82 Resp: 349620
Ion Ratio Lower Upper
82 100
128 46.0 36.5 54.7
54 44.3 36.0 54.0



#25
Isophorone
Concen: 3.914 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.16 min
Lab File: BF116107.D
Acq: 9 Aug 2019 12:32

Tgt Ion: 82 Resp: 52149
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#

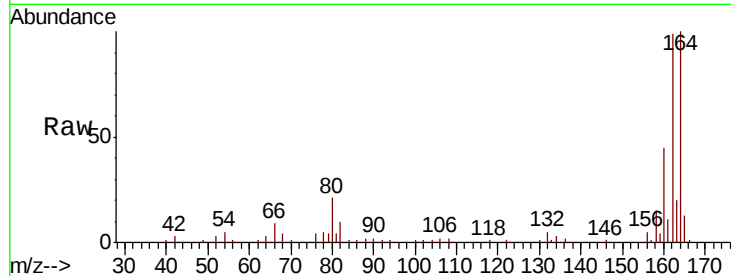




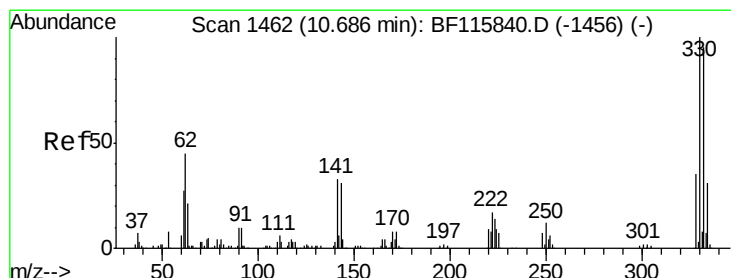
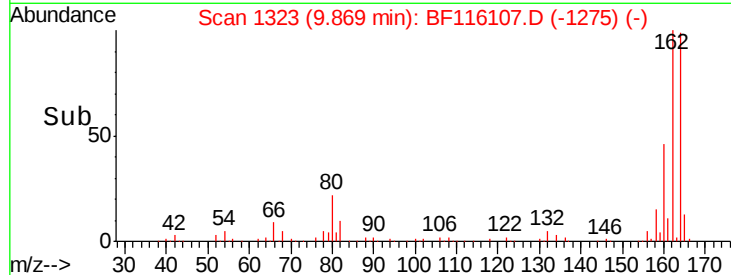
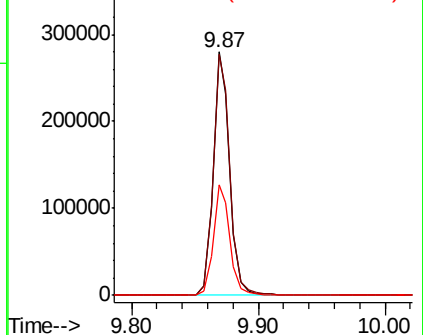
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116107.D
Acq: 9 Aug 2019 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.0	82.6	124.0
160	45.4	37.6	56.4

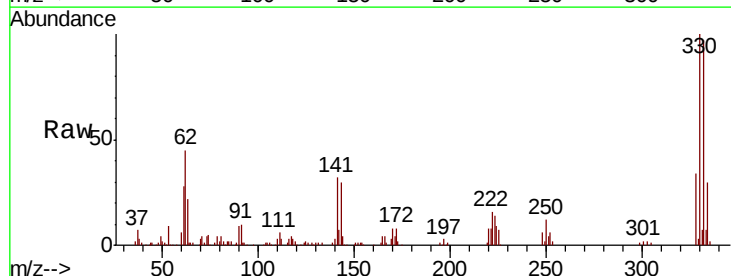


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

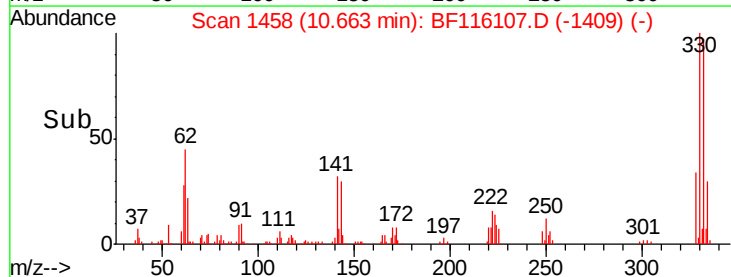
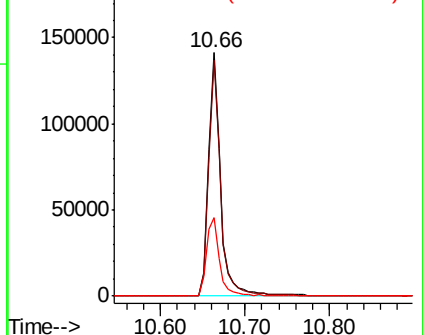


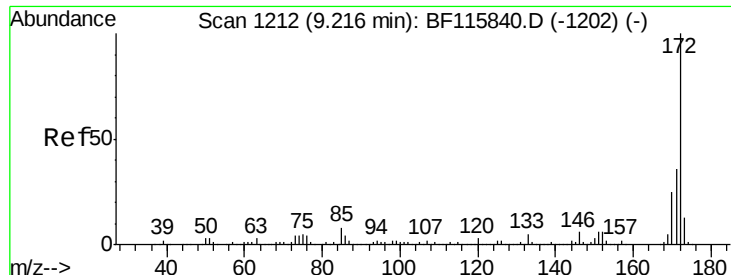
#42
2,4,6-Tribromophenol
Concen: 57.740 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116107.D
Acq: 9 Aug 2019 12:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.8	115.2
141	34.3	26.3	39.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

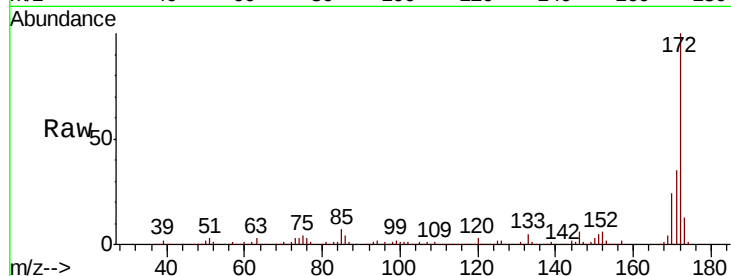




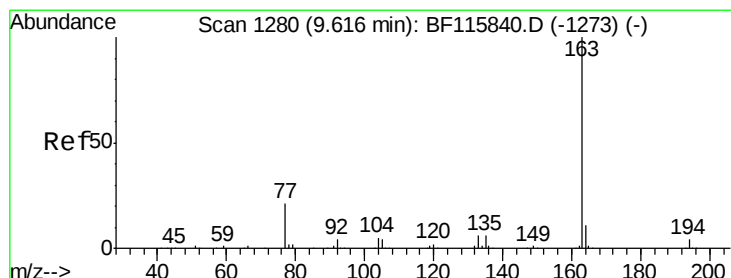
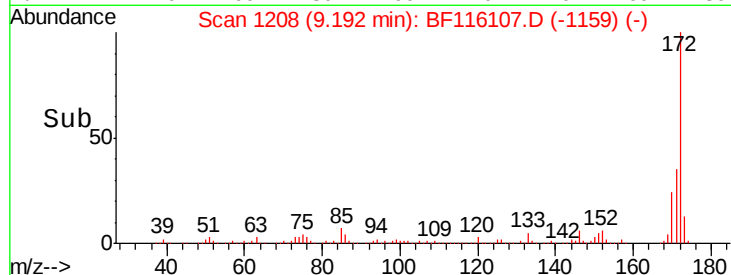
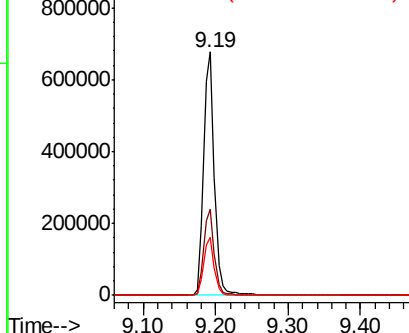
#45
 2-Fluorobiphenyl
 Concen: 51.615 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116107.D
 Acq: 9 Aug 2019 12:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 702866
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 24.0 20.1 30.1

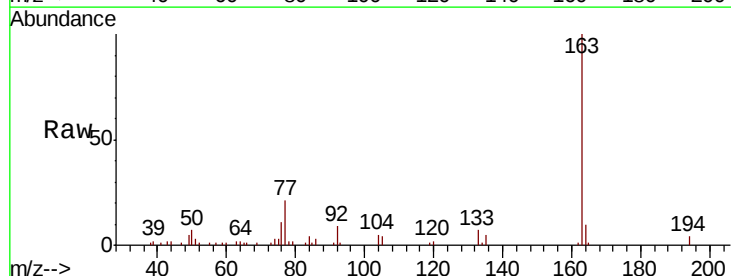


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

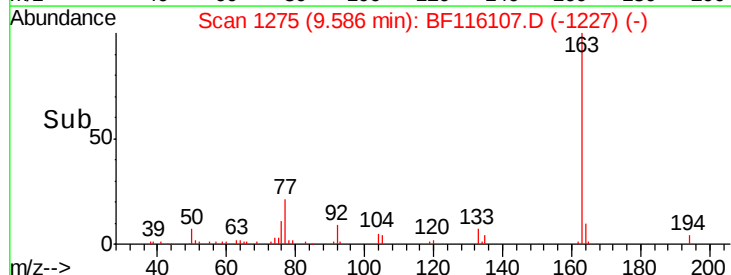
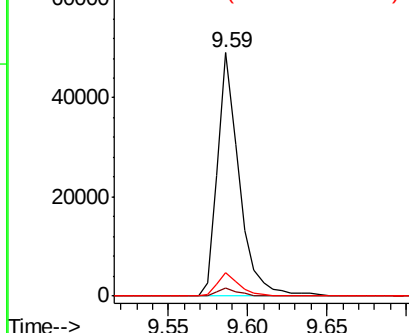


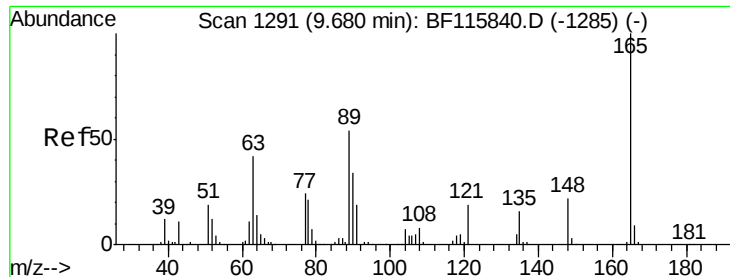
#50
 Dimethylphthalate
 Concen: 2.702 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.02 min
 Lab File: BF116107.D
 Acq: 9 Aug 2019 12:32

Tgt Ion:163 Resp: 46929
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.0 4.6
 164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.675 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.19 min

Lab File: BF116107.D

Acq: 9 Aug 2019 12:32

Instrument :

BNA_F

ClientSampleId :

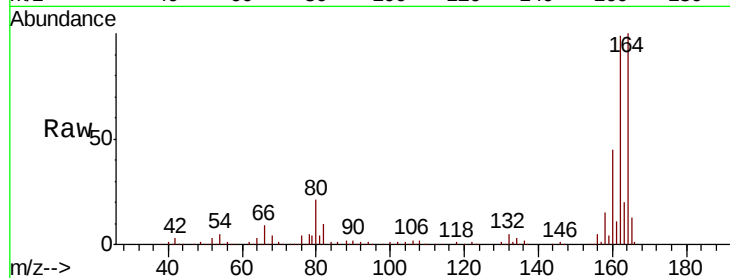
Tot Ion:165 Resp: 32741

Ion Ratio Lower Upper

165 100

63 1.2 38.2 57.2#

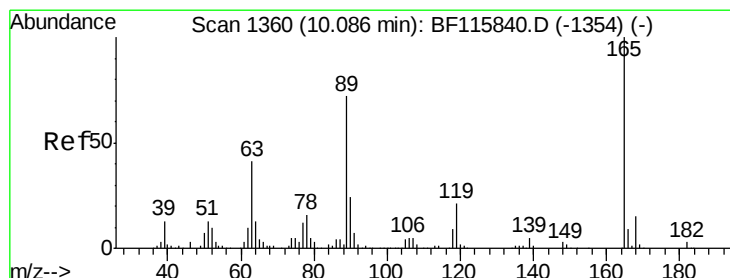
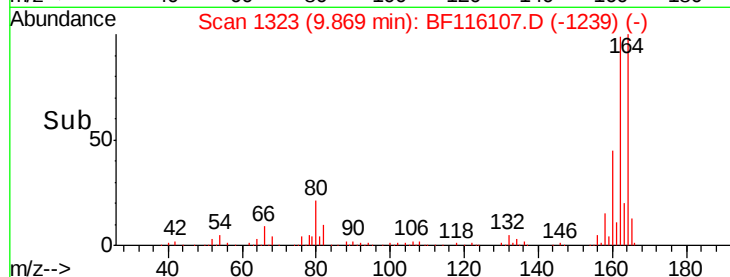
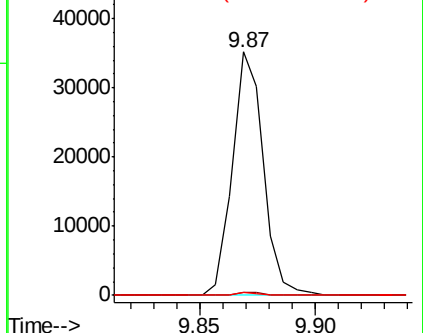
89 1.4 42.9 64.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.516 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116107.D

Acq: 9 Aug 2019 12:32

Tgt Ion:165 Resp: 32741

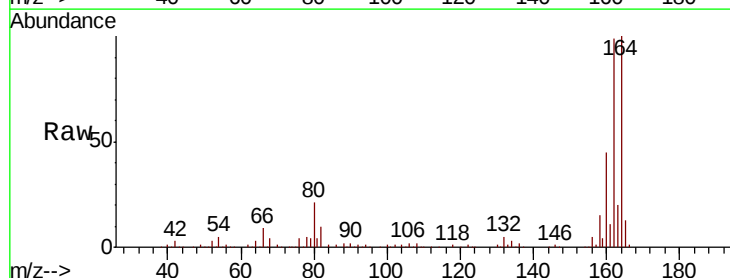
Ion Ratio Lower Upper

165 100

63 1.2 39.6 59.4#

89 1.4 62.2 93.2#

182 0.0 2.1 3.1#

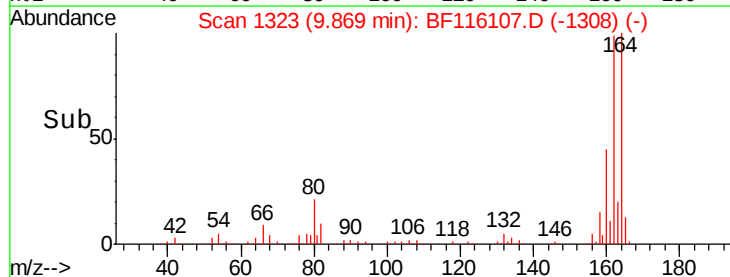
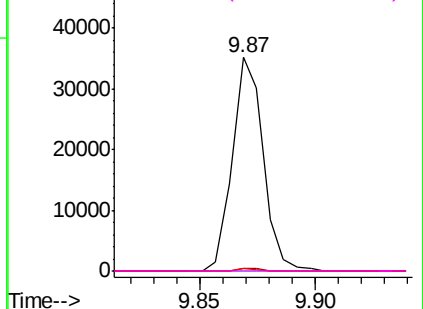


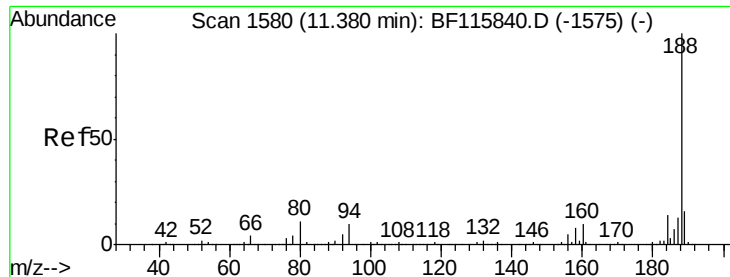
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

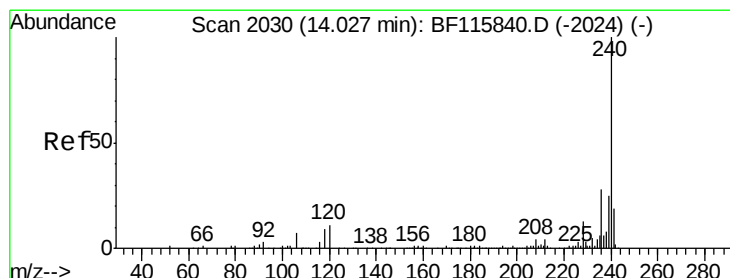
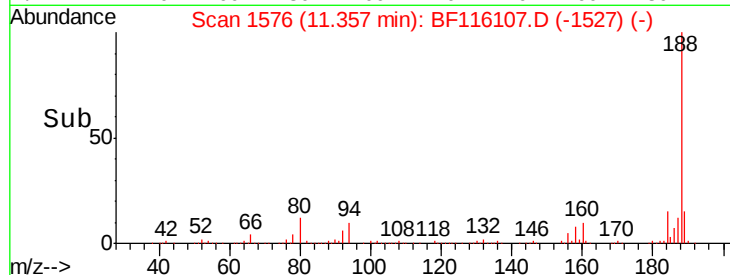
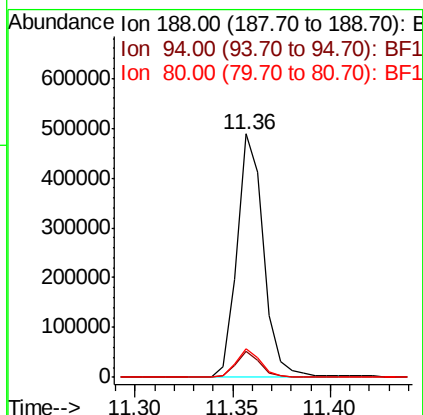
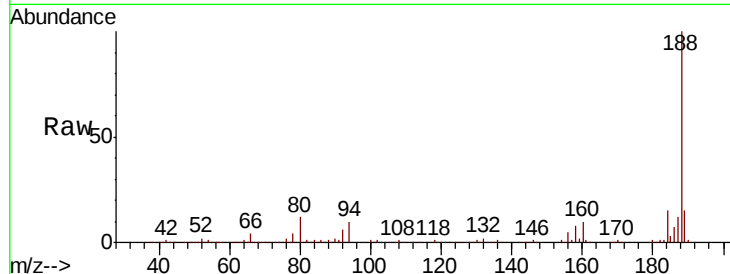




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116107.D
Acq: 9 Aug 2019 12:32

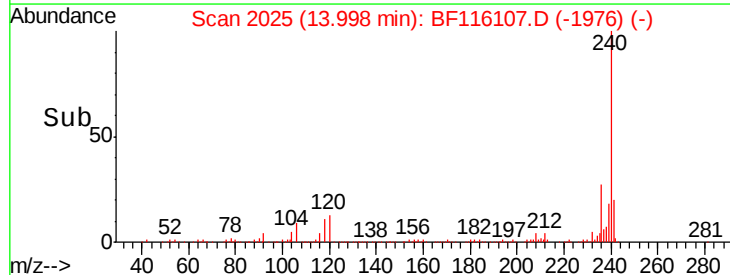
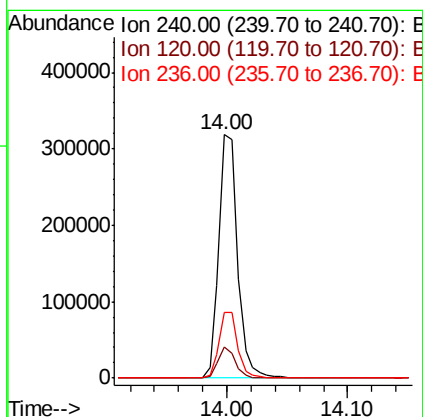
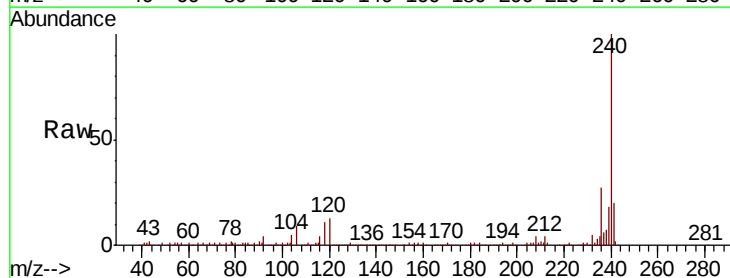
Instrument :
BNA_F
ClientSampleId :

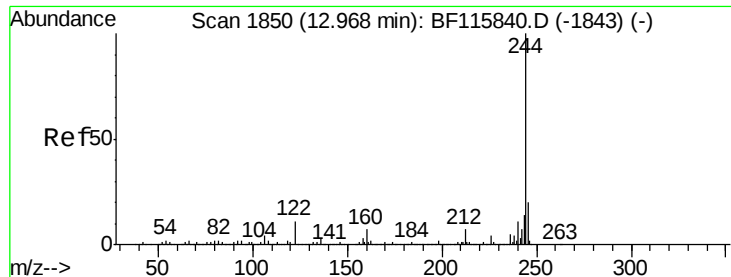
Tot Ion:188 Resp: 459959
Ion Ratio Lower Upper
188 100
94 10.5 8.1 12.1
80 11.6 8.7 13.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116107.D
Acq: 9 Aug 2019 12:32

Tgt Ion:240 Resp: 339953
Ion Ratio Lower Upper
240 100
120 13.0 10.7 16.1
236 27.2 22.2 33.2

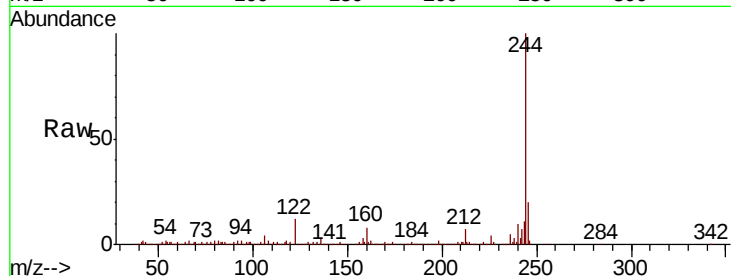




#79
 Terphenyl-d14
 Concen: 53.041 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116107.D
 Acq: 9 Aug 2019 12:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	12.4	9.0	13.4

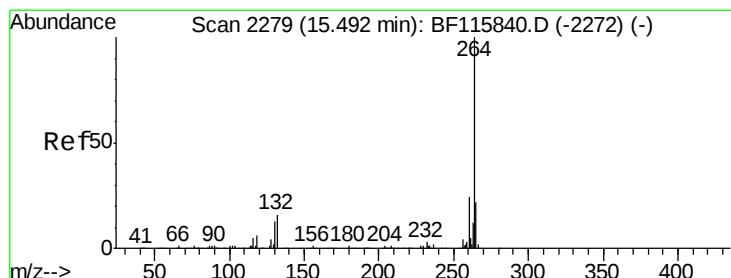
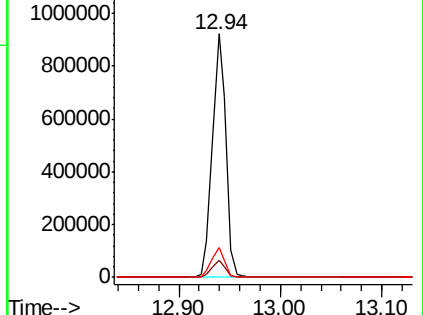
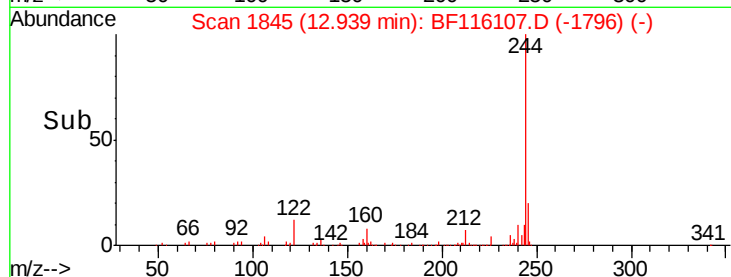


Abundance

Ion 244.00 (243.70 to 244.70): E

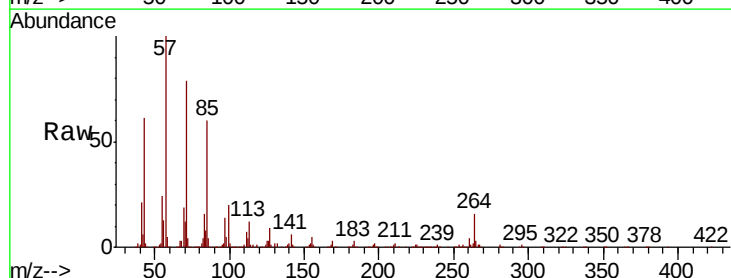
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116107.D
 Acq: 9 Aug 2019 12:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.7	29.5
265	21.4	17.4	26.0



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

